50 amp Corrector Power Supply Summary Report

RHIC Physics fy05 (2004-2005)

Date	Time In	I-dent	S/N-Removed	New S/N	Alcove	Rack	Initial Analysis Performed	Final Cause	Fault ID
27-Nov	day	yo1-tv9	**243**	327	1C	6	Would trip on Over Voltage at turn on, Time Constant appeared to be good *(Power Supply Swap Out is not included in the Counters because this occurred during pre-run testing before handing over for operations)*	Field Testing: Ref to 10-Dec, bo6-octd	over voltage
29-Nov	day	yi6-th3	**398**	283	7A	4	Oscillation seen on Virtual scope during Cold 2amp testing.*(Power Supply Swap Out is not included in the Counters because this occurred during pre-run testing before handing over for operations)*	Tech Report Dec 06, 2004: Cleaned DCCT Head Pins on the current sense card, re-flowed the solder on several Molex socket pins. Tested good and returned to spares. BK	Error
29-Nov	day	yi6-th7	**383**	250	7A	7	Oscillation seen on Virtual scope during Cold 2amp testing. (Power Suppl Swap Out is not included in the Counters because this occurred during pre-run testing before handing over for operations)	Tech Report Dec 06, 2004: Problem with the current sense card, cleaned DCCT Head Pins and re-flowed as necessary cold solder joints, R35 & Molex sockets. RFK	Error
10-Dec	Maint	bo6-octd	**51**	243	7A	2	Power Supply s/n 051 was working fine but removed and placed into the spares so s/n 243 could be field tested. Tech Report: ran unit at the bench for a week, could not reproduce the fault, Engineering assist and it was determined that there was nothing wrong with the quench circuit. Computer ran + 5 amps and - 5 amps with a 10 sec ramp rate, tested good, located in Alcove 7A Ref to 27-Nov, yo1-tv9 *(Power Supply Swap Out is not included in the Counters because this occurred during pre-run testing before handing over for operations)*		N/A
14-Dec	Maint	bi8-oct3	**438**	51	9A	2	During 2 amp cold testing before the official start of the fy05 Run, a 35mV peak to peak voltage ripple was seen on Virtual Scope (10mV is normal). Since time permitted as repairs are being done to Yellow Ring, supply was swapped out and replaced with s/n 051. *(Power Supply Swap Out is not included in the Counters because this occurred during pre-run testing before handing over for operations)*		High Voltage Ripple
29-Dec	Maint	yo1-tv5	**550**	58	1C	6	MCR reported that this supply would not produce any effect on the vertical or horizontal orbit. Supply seemed to output current but the voltage at the load was unusually low.	Tech Report, January 6, 2005 for s/n 550; Noisy output, non linear, output tracks below setpoint above 15amps. 1) found Phillips head 1/4-20 screw bolting DCCT Buss-bar to + output rear panel terminal very loose. 2) Bad IC14 on current sense card {outputting 10v sine wave @ zero amps}. 3) Standby LED on the front panel dim, bad R702. Returned to spares BK.	MCR

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29-Dec	Maint	yo9-tv11	**129**	658	9C	6	Tripped on error several times but when tested by Techs, problem could not be reproduced, supply was exchanged.	Tech Report Jan 05, 2005: no problems found, removed and inspected FGCS card, re-soldered Molex connectors, cleaned pins on the current sense head and checked all other LNY reworks from this past summer for defects. All looked good, tested fine and returned to spares. RFK	Error
28-Dec	20:23:11	yi7-th21			7B	3	Supply tripped to the Off State, no affect on the beam, MCR reset.	Unexplained at the moment	off
6-Jan	5:05:03	yi7-th21	**460**	438	7B	3	MCR Log: yi7-th21 tripped off and the beam was aborted. Ramping down for a refill. Snapshot confirmed this event. Supply was replaced during the day shift with s/n 438 starting at 09:45 once beam had been aborted at 09:41:32.	Tech Report: Ran for several weeks in 1007W Testing Dock and no problems persisted. Unable to repeat the fault, unit was returned to spares 2/15/04 BK	off
11-Jan	21:00:00						**Declared Physics Run for fy05, Particles of Cu-Cu**		
12-Jan	Maint	bi1-th3	**445**		1C	2	Multiple IrefcurrentRange error during the ramps. MCR had not complained about this supply but investigation of the signal showed oscillation occurring.	Compensator Board jumper was still in the resistance mode from the summer shutdown. Moved jumper into inductance mode, problem solved.	IrefCurrent Range Error
15-Jan	Multiple	yo5-tv9	**557**	32	5C	6	Supply was tripping on Over Temp. Snapshot indicated Unstable Voltage and Iref. CAS replaced with s/n 032.	Tech Report, Feb 2: found Capacitor C151 of the IC107 shorted to ground causing the +18vdc on the HKPS to load down. Repaired, tested and put back into spares. RFK.	Over Temp
18-Jan	Multiple	yi2-tv12	**277**		3A	6	Causing alarms such as Standby-Error, Over Voltage that where not real.	Replaced Node Card Cable during Maintenance on Jan 19.	Standby-Error / Overvoltage
1-Feb	Maint	yo1-th14	**234**		1C	6	Acquired a reset problem after a lead flow interlock had occurred.	Upon Test in the tunnel, power supply recovered from false lead flow. No indications of terminal short at the rear of the supply which would result in the other 10 supplies to register the same fault. Although, the insulated barrels on the terminals may have been touching. Brian Karpin.	Lead Flow
2-Mar	Maint	bi5-qs	**413**	398	5C	2	After several non MCR complaints about this supply, we discovered from Snapshot IrefCurrentRange Error would come up but the supply indicated AC Power, On, Remote. The current and voltage would change while Iref and wfg's were telling it not too.	In Repair.	IrefCurrent Range Error
24-Mar	16:00:00						**Declared Physics Run for fy05, Polarized Protons**		

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RHIC Physics fy05 (2004-2005)

5-Apr	18:19:15	bi9-th13-ps	**321**	557	9C	5	Supply was tripping on Over Temp, unable to clear. Don Bruno was notified by MCR and a decision was made to steer around it.(19:14, we have compensated bi9-th13 corrector using neighboring correctors over the whole ramp. After the Overtemp fault problem is fixed tomorrow, one should revert this compensation. -VP,AF,SY)Our Techs replaced with s/n 557 the next day during maintenance.	Shorted Filter Capacitor C-729 used for the -15vdc (IC711 on the filter board) RFK April 7, 2005	Over Temp
27-May	12:58:45	yo4-tv17			5B	2	Power Supply tripped to the Off State at the end of a ramp to Store Energy. The supply Current was -1.29 amps at the time of the fault. When the supply faulted, Voltage, Iref and Current all railed to the positive top end.	MCR Reset at 14:02:52 which is some time after Physics had been restore to Running.	Off
6-Jun	15:21:37	bi5-th21	**86**	224	5B	1	2005-Jun-06 16:59:53 bi5-th21 has tripped repeatedly. After speaking to R. Conte, we call D. Bruno to confirm our diagnosis that the power supply should be changed. The supply has tripped while we are at full energy, but, fortunately, it does not seem to have a strongly adverse effect on the beam. 17:04:25 We reach D. Bruno. He is investigating the power supply bi5-th21. 18:20:10 Along with D. Bruno, we decide to swap the supply. Don is calling CAS with instructions, and we prepare for the power supply swa	2005-Jun-06 19:34:17 CAS has completed replacement of power supply in RHIC. We are preparing for a hysteresis ramp in RHIC.	Over Voltage
12-Jun	21:22:27	yo1-th18	**525**	129	1B	3	21:29 Corrector yo1-th18 tripped off at a setpoint of less than one amp. We then attempted to turn it on at zero, causing a second spike in the beam decay when the supply trippe don DC overcurrent. So, we'll leave it off. Th Yellow beam decay appears to prefer it anyway.-JPJ, NAK, 22:24 I contacted CAS. They have the link to the procedure for swapping out the corrector yo1-th18-ps whenever they are given the word to do it.Don Bruno [yellow] [ps] 22:32 I consulted with Vadim, and he recommended that we go ahead and swap out the power supply rather than compensate for it. Even though it is unlikely to cause problems (since it's not an IR corrector), it's not worth the risk. And I also think that the next maintenance period will not be until after the end of the run.-JPJ	MONDAY, June 13, 2005, unit is replaced. 02:11 CAS is replacing yo1-th18-ps (access, ~1 hr.). –BSB, 03:27 CAS has completed their repairs, restoring and preparing to inject.-JLN, BSB, jak	DC Overcurrent
14-Jun	6:48:55	yo4-tv13	**569**	383	5A	6	07:16 yo4-tv13 tripped off on an overtemp. Shut it off for a few minutes and turned it back on.–JLN 07:39 yo4-tv13 has tripped off again on an overtemp fault. I attempted to bring it back on remotely with a zero setpoint, and the supply immediately tripped again. I contacted D. Bruno who recommended a swap of the ps.-JLN	Cas Swapped out the supply.	Overtemp

HOME

60 amp Corrector Power Supply Summary Report

RHIC Physics fy05 (2004-2005)

Date	Time In	I-dent	S/N-Remv	New S/N	Alcove	Rack	Initial Analysis Performed	Final Cause	Fault ID
11-Jan	21:00						**Declared Physics Run for fy05, Particles of Cu-Cu**		
1-Feb	4:46:15	yi10-qs3			11A	3	Early morning Power Failure: LIPA identified the source of the Booster 60 kV feed to a downed power line this morning. The end cap for one of the three phases broke off the ceramic body on the pole. Systems tripped by the resulting power dip were restored to operation this shift and the scheduled maintenance day began a day early while LIPA repaired the power line. As of the end of the shift the line is repaired and is about to be energized.	Found in the Off state after MCR had recovered all systems and at Don's request to re-check all supplies, just cycled to the Off State then to standby then to ON. All recovered fine.	OFF
24-Mar	16:00						**Declared Physics Run for fy05, Polarized Protons**		
1-Jun	4:05:03	bi8-qs3	270	91	9A	1	04:10, Beam Loss due to a loss monitor permit. bi8-qs3 tripped off. –Sanjee 04:33 Attempts to turn on bi8-qs3-ps were unsuccessful. Don Bruno was contacted and he is investigating from home.–CFW 04:45 Tried turning on bi8-qs3 but it trips off at injection current. Don Bruno is checking from home.-Sanjee 04:51 bi8-qs3-ps trips on an error signal fault when I try to run it up.. I will call CAS and give them instructions to swap out the p.s.-Don Bruno [blue] [ps] 04:55 MCR prepares RHIC ring for access. 05:15 CAS has gathered the new power supply and equipment. They are coming to MCR to collect the access keys. 05:30 CAS crew is here to get access keys. 06:18 bi8-qs3 power supply repair is complete. It was ramped to 5A and the power supply stayed on without tripping off.	No DC Output Current, Tech replaced IC-110, IC-111 on the FET Board.	Error Signal

HOME

150 amp tq Suncraft Power Supply Summary Report

RHIC Physics fy05 (2004-2005)

Date	Time In	I-dent	S/N Removed	S/N Installed	Bldg.	QLI Ref:	Initial Analysis Performed	Final Cause	Fault ID
7-Jan	7:59:00	yi10-tq5	65	42	10A	MS-046	Interesting, I saw the signal had Railed to the Maximum Value on the g2 plotter and when I investigated the actual Supply Status, it had lost power and was no longer functioning. MCR had not mentioned it in the log but it is believed because the magnet current was operating at such a low current value, that it had no affect on the beam. In fact, they elected to Run beam until RF had a problem around 11:02 A.M. Beam store started around 04:40 A.M. G. Heppner	After confirming that the front panel breaker had tripped on the supply, we waited until MCR allowed time. Jeff Wilke and Joe Drozd swapped the supply. MCR brought the yellow link down because they thought the had too in order to work on this supply. It is not mandatory to drop the link for a Tq supply.	Off
11-Jan	21:00	**Declared Physics Run for fy05, Particles of Cu-Cu**							
24-Mar	16:00	**Declared Physics Run for fy05, Polarized Protons**							
6-Apr	1:18:50	yi10-tq4			10A	Beam Loss Only	Power Supplies yi10-tq5 & yi10-tq4 tripped off on a quench fault. Losses caused by the trip of these power supplies caused the beam to abort. MCR was able to turn them back on via the TAPE sequence. Yi10-tq4-ps On at 1:30:54 PM	At first, yi10-tq4-ps and yi10-tq5-ps tripped because there might be a problem with the quench detector. Upon further investigation, the problem may be with the D connector on the rear of the p.s. The "D" connectors where removed, inspected and cleaned. Nothing found wrong with the D connectors on the p.s.'s, next the 4-20mA quench detector card that receives both of these current readback signals was swapped out.-Don Bruno [yellow] [ps]	Standby Error, Quench
6-Apr	1:18:50	yi10-tq5			10A	Beam Loss Only	Power Supplies yi10-tq5 & yi10-tq4 tripped off on a quench fault. Losses caused by the trip of these power supplies caused the beam to abort. MCR was able to turn them back on via the TAPE sequence. Yi10-tq5-ps On at 1:31:39 PM	At first, yi10-tq4-ps and yi10-tq5-ps tripped because there might be a problem with the quench detector. Upon further investigation, the problem may be with the D connector on the rear of the p.s. The "D" connectors where removed, inspected and cleaned. Nothing found wrong with the D connectors on the p.s.'s, next the 4-20mA quench detector card that receives both of these current readback signals was swapped out.-Don Bruno [yellow] [ps]	Standby Error, Quench
15-May	11:14:45	bi5-tq4			6B		At 11:28, MCR had called and wanted me to Analyis the problem from home. I told them that I do not have that capability, No Crypto Card and that they should contact D. Bruno. They said they did but was unable to reach him. After some discussion, asked them to retry the supply and they agreed. I then called Don on his Cell Phone and made contact and explained to him what was going on. Don then took control and called MCR. G. Heppner	Don calls MCR and they looked through the PMViewer plots, and the PS trip does not appear to be related to a qpa fan fault. He advised MCR to recover and try again, and to contact him if there is any further problems. MCR Log At 11:42:36, TAPE indicated that bi5-tq4-ps has been restored.	Standby Error, Quench
15-May	14:02:56	bi5-tq4	8	28	6B		At 14:02:56, bi5-tq4-ps shut off again, MCR calls Don. The timing resolver says that the p.s. or qpa tripped out the p.s. There is no fault on the qpa or the p.s. This could be a problem with the signal cable between the p.s. and the qpa. I will have CAS swap out the p.s. to be sure. I will also have them examine the D connectors at the qpa end and at the p.s. end. -Don Bruno [blue] [ps]	At 14:52 MCR reports that CAS has found several loose connections between the power supply and the QPA, but attempts to reset bi5-tq4 were unsuccessfulm so CAS will replace the supply. At 16:11:42, TAPE indicates that bi5-tq4-ps is back up and running.	Standby Error, Quench **Supply is in Repair**
15-May	22:56:09	bo7-tq5	57	59	8B		MCR; 22:58, Beam aborted when bo7-tq5 tripped on a quench. Ramping down. D Bruno is investigating. I am looking at bo7-tq5-ps. The snapshot shows it tripped on a DCOC fault. The setpoint and current look like they were flat before the trip. It could be a problem with the DCOC circuit on the voltage regulator card. I am going to ask CAS to swap out the voltage regulator card for this p.s., the DCOC circuit is on this card. -Don Bruno [blue] [ps] 23:30 CAS has replaced the card but when Don brought the supply up it tripped again. CAS is replacing the supply	May 16, 2005 00:10, swapping the voltage regulator card for bo7-tq5-ps did not fix the problem. It tripped on a DCOC again when I was trying to run it back to its 26A setpoint. The problem could be in the DCCT head or DCCT electronics card. CAS will have to swap out the p.s. to fix this. I am e-mailing them the procedure because they are busy with BLIP now, I think. After CAS swaps out bo7-tq5, MCR can recover it and run it up. Bo7-tq4 and bo7-tq6 will have to be recovered as well because they are in the same rack. -Don Bruno [blue] [ps] Tape indicates supply is back on at 01:21:26.	DCOC, **Supply is in Repair**
23-May	23:17:58	yi6-tq6			6B		23:29 yi6-tq6 trips during preparation for injection on ***quench*** indication. We reset the supply and continue.-LH	MCR Reset, no further action taken.	Standby Error, Quench
24-May	11:00:00	yi6-tq6			6B		10:30, analyzing the 23:17:58 trip for power supply yi6-tq6, it appeared to be a faulty buffer card that caused the quench detector to trip. I called Don Bruno and Confirmed the analysis with Wing Louie since Don asked because he is in school for the week. Wing agreed and then I called MCR to tell them and they agreed to put me on the list if and when time would permit.	11:00, Jim Jamilkowski gave the okay to replace the buffer card. I requested that they bring all the supplies to zero current to avoid magnetic couple before I shut off the tq supply. Replaced Buffer card and notified MCR and they recover yi6-tq6 via Tape (supply On = 11:16:16).	Analysis from night before
27-May	8:13:46	bi4-tq4	36	26	4B		Alarm Page indicated an AC Phase Fault. I called MCR and asked them if they knew about it. There was another problem they were working on so they asked if I could check it out. Unable to restore, I called them back and said we'de have to pull it out. They said okay so I asked Tome Nolan and Jeff Wilke to replace the supply. They did so I handed it back over to MCR. (TECH replacement time = 55 minutes) G. Heppner	AC Imbalance, Able to reset locally but no by the computer script, retried and still faulted on AC Imbalance. Unit Replaced.	AC Phase, **Supply is in Repair**
27-May	9:42:19	bi5-tq4			6B		MCR called me about bi5-tq4-ps had tripped on a quench. They didn't want to try anything first since bi4-tq4 had tripped and we were working on that one. While they were on the Phone, I was able to restore the supply to On using Wings Scripts.	Possible QPA to PS Cable???	Standby-Error
7-Jun	7:55:54	bo7-tq5			8B		Operating at 25.98 amps, the current began to drop off while Iref remained.	First trip, replaced the current regulator card.	Standby-Error
7-Jun	9:51:39	bo7-tq5	59	1	8B		While ramping, the current dropped off at 24.27 amps while I ref continued to climb	Second trip, replaced the entire power supply	Standby-Error
21-Jun	4:37:39	yo4-tq4			4B		05:05 yellow fill slowly getting worse. We have a range error for yo4-tq4 - Don is looking from home. 05:17 It looks like there is a problem with the relays on the current regulator card for yo4-tq4-ps. I will ask CAS to swap out the ***current regulator card*** 05:56 CAS (Rich DiFranco) swapped out the current regulator card for yo4-tq4-ps and I ran it up to -6amps. It looks better now.Don Bruno [yellow] [ps]	TECH Report, June 21, 2005: Jim Osterlund found an open trace between the K2 Relay and the next stage. The separated trace was at the point of the relay pin. Internal trace, as this is a three layer board, rework once before to remove the old relay may have stressed this point and only in time did it finally fail. G. Heppner	IrefCurrentRangeError (Supply did not trip)
21-Jun	6:09:41	bo7-tq5			8B		MCR LOG: bo7-tq5 has quenched during the hysteresis ramp. Don is investigating. 06:28 bo7-tq5-ps tripped out on a DCOC. This supply has been swapped out once before for the same fault. I don't think this problem is the p.s. I believe the ***control card and digital isolation card*** get moved over from the old supply to the new supply so one of these may be the problem. I am having CAS swap both of these cards out and then MCR can recover. -07:10 CAS swapped out the control card and digital isolation card for bo7-tq5-ps. I ran it up to operating current (+26A) and it looks ok. We will have to continue to watch it.Don Bruno [blue] [ps]	TECH Report, June 21, 2005: Jim Osterlund found nothing wrong with the Control Card nor the Digital Isolation Card.G. Heppner	DCOC
HOME									

150 amp IR Suncraft Power Supply Summary Report

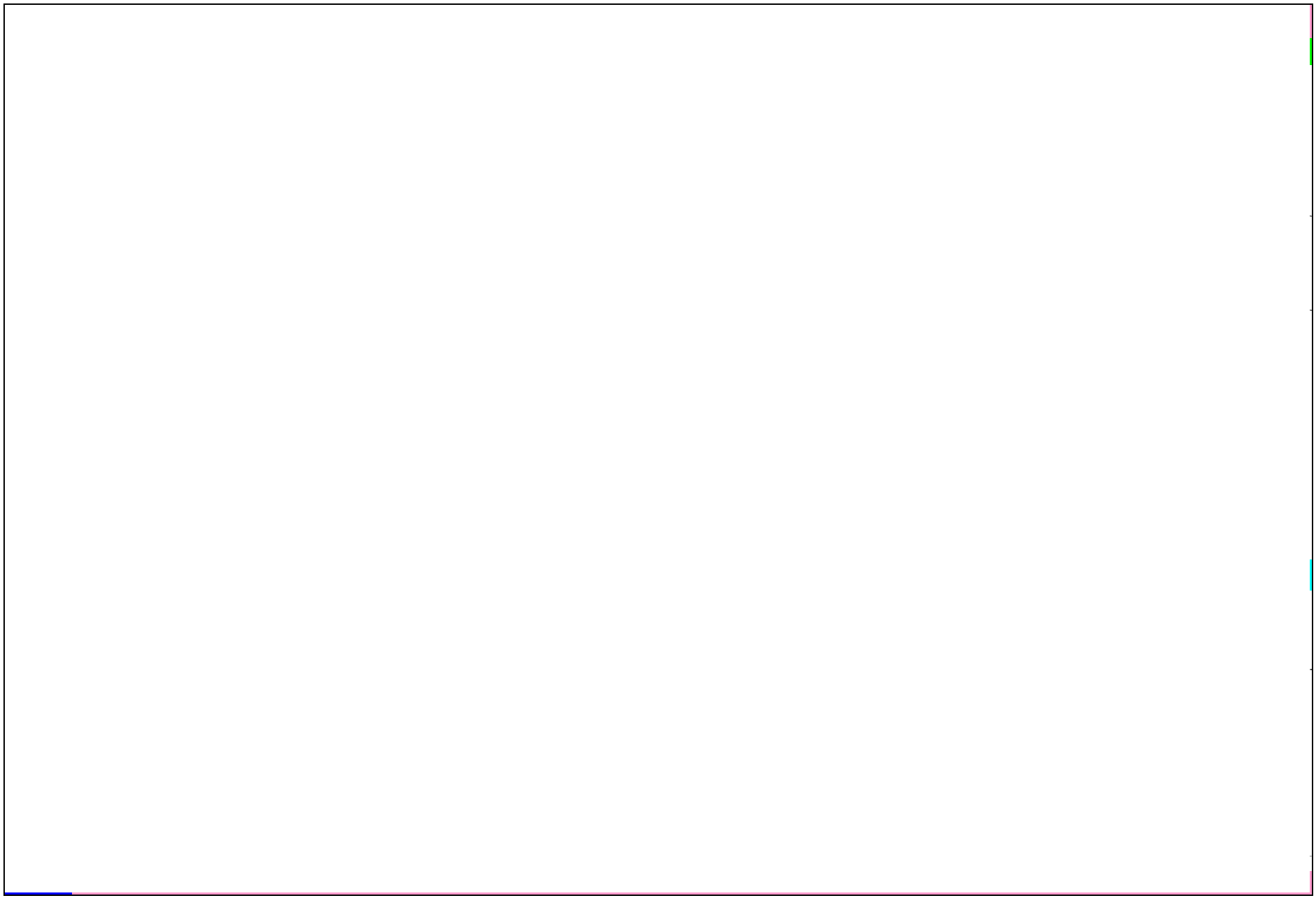
RHIC Physics fy05 (2004-2005)

Date	Time In	I-dent	S/N Removed	S/N Installed	Bldg.	QLI Ref:	Initial Analysis Performed	Final Cause	Fault ID
23-Dec	23:54:48	bo3-qf2			4B	MS-018	bo3-qf2-ps, Stby-Error, AC Power, Standby, Remote, Error signal, Quench (Power Supp s/n 90)	Tried a restart, unsuccessful, Ref to PR-020	Multiple
24-Dec	0:14:16	bo3-qf2			4B	MS-019	bo3-qf2-ps, Stby-Error, AC Power, Standby, Remote, Error signal, Quench (Power Supp s/n 90)	Tried a restart, unsuccessful, Ref to PR-020	Multiple
24-Dec	0:51:20	bo3-qf2	90	13	4B	MS-020	CAS swapped out power supply bo3-qf2-ps and the new one looks like it is working nor at 1 amp. I am running Blue Quench Recovery and will bring p.s.'s to park, then I will hand the p.s.'s back to MCR. -Don Bruno [blue] [ps]	This P.S. had a hard error fault, which could not be reset. First, I found the converter voltage was at 0 volts. It should be approx. 2 volts with a 0 set .pt. in the "ON" state. Also, The IGBT Q505 had a 1-ohm short from source to drain and a 3.5-ohm short from source to gate. During testing and t/s, found that the control card was n.g. and was removed and replaced. The H.K.P.S. was blowing fuses after I slipped off a pin when testing the Wahfun soft start delay modification circuit. This in turn burned out a land on the backplane from J1-C4 to a vie which is connected to J16-pin 8. This is the "contactor on" signal from the control card. J1-to the vie was burned out. I repaired the backplane and after putting the p.s. back together, it still did not work properly because the IGBT shorted again. I found the 10-ohm 15W R538 resistor which is in parallel to the IGBT was open. Never saw this before. We speculate that it may have had a manufacturing defect that finally caused it to fail. I believe that this was the reason why the IGBT shorted in the first place. Jim O and I have taken measurements of	Multiple
11-Jan	21:00						**Declared Physics Run for fy05, Particles of Cu-Cu**		
23-Jan	19:16:37	yi3-qd2			4B	PR-023	yi3-qd2-ps, Stby-Error, AC Power, Standby, Remote, DC Overcurrent, Quench, FET, AC Phase. Found nothing wrong, MCR reset and the supply has been running since. (Powes Supply s/n 014) G. Heppner	No action taken this time, MCR reset	Multiple
24-Jan	16:07:13	yi3-qd2	14	78	4B	PR-024	Reference to PR-023	Power Supply yi3-qd2 was replaced during Experimenter down time. Notice, Heavy snow conditions from the weekend storm caused Technicians to delay replacement due to improper clearance into the building.G. Heppner	Multiple
23-Feb	15:24:39	bi5-qd2			6B	PR-067	Incredible voltage drops on the phases seen for 1004B 208vac monitors. Carl tells me th is because the mains use a lot of power when ramping and that the 208vac comes from the same 480vac substation. I didn't see an indication of a power supply at fault prior to the quench. Postmortems showed multiple Quad Power supplies Current and voltage changes while Iref and Wfg's continued to ramp. The Blue Quench Link trip was due to the 6b-qd1-quench detector. The quench detector tripped because of the sudden change i the signal at B5QFQ2_VT. The beam permit tripped 2u-sec. before the quench link.G. Heppner [blue] [quench] 20:22; There was a problem with bi5-qd2-ps that caused the quench detector to trip. Ganetis	Unknown to the Author at the time of this writing.	Quench Detector Tripped
21-Mar	11:25:16	bo3-qf2			4B	PR-086	Postmortems and Snapshot indicated for bo3-qf2-ps that the Current stopped climbing while Iref continued. (See more details below in PR-087)G Heppner		Error
21-Mar	11:49:00	bo3-qf2	13	6	4B	PR-087	Power Supply s/n 013 tripped twice while ramping from Injection to Store. Unit tripped Error, Current would stop at 20.6 amps while Iref continued up the ramp. Difference between the two caused a high error past the threshold for the maximum time out, pulling the Blue Link. 1) Replaced Voltage Regulator and Current Regulator Cards, Supply ran fine up. 2) Put original Current Reg card back in, Supply still ran fine. 3) Put original Voltage Reg card back in, Supply still ran fine. 4) Unable to re-create the original fault, 150 amps Suncraft was replaced with s/n 006 5) Time of call 12:05 / Time Finished and handed back to MCR 13:40 (Total Repair Time = 95 minutes.) G Heppner	**Supply is In Repair**	Error
24-Mar	16:00						**Declared Physics Run for fy05, Polarized Protons**		
2-May	5:47:00	bi5-qd2			6B	PR-123	While recovering from PR-122, the postmortems show nothing obvious. Bi5-qd2-qp had pulled the link but there were no faults indicated. A possible Power Supply to QPA connection may be the fault. A second attempt to recover the Blue link was successful. G Heppner	Unknown to the Author at the time of this writing. No action was taken.	Stopped Recovery Link
9-May	2:10:48	bo3-qf2			4B	PR-127	03:01bo3-qf2-ps tripped to the OFF state bringing down the link. I am going to have CAS swap out the control card on the p.s. That may or may not be the problem. I already turned the p.s. back on and ran it to 1 amp to make sure it would turn back on ok.Don Bruno [blue] [ps]	03:24CAS swapped out the control card. I asked MCR to run quench recovery and I will watch to make sure it all comes up ok. -Don Bruno [blue] [ps]	Off
9-May	8:01:48	bo3-qf2	6	90	4B	PR-128	Supply had tripped to the off state. As I was analyzing the live data and unaware that MCR had called Don who was on the road, Don had had this problem at 02:10:48 this morning (PR-127). Don informed MCR that we would replace the supply then called us G. Heppner	We swapped the power supply with another one and then then replace the Node Card Cable from the power supply to the Node Card Chassis (R4BBQF2, Port #3) as per Don's instructions since this makes this swap out the third power supply at the same location foe this run. G Heppner **Supply is in Repair**	Off

HOME

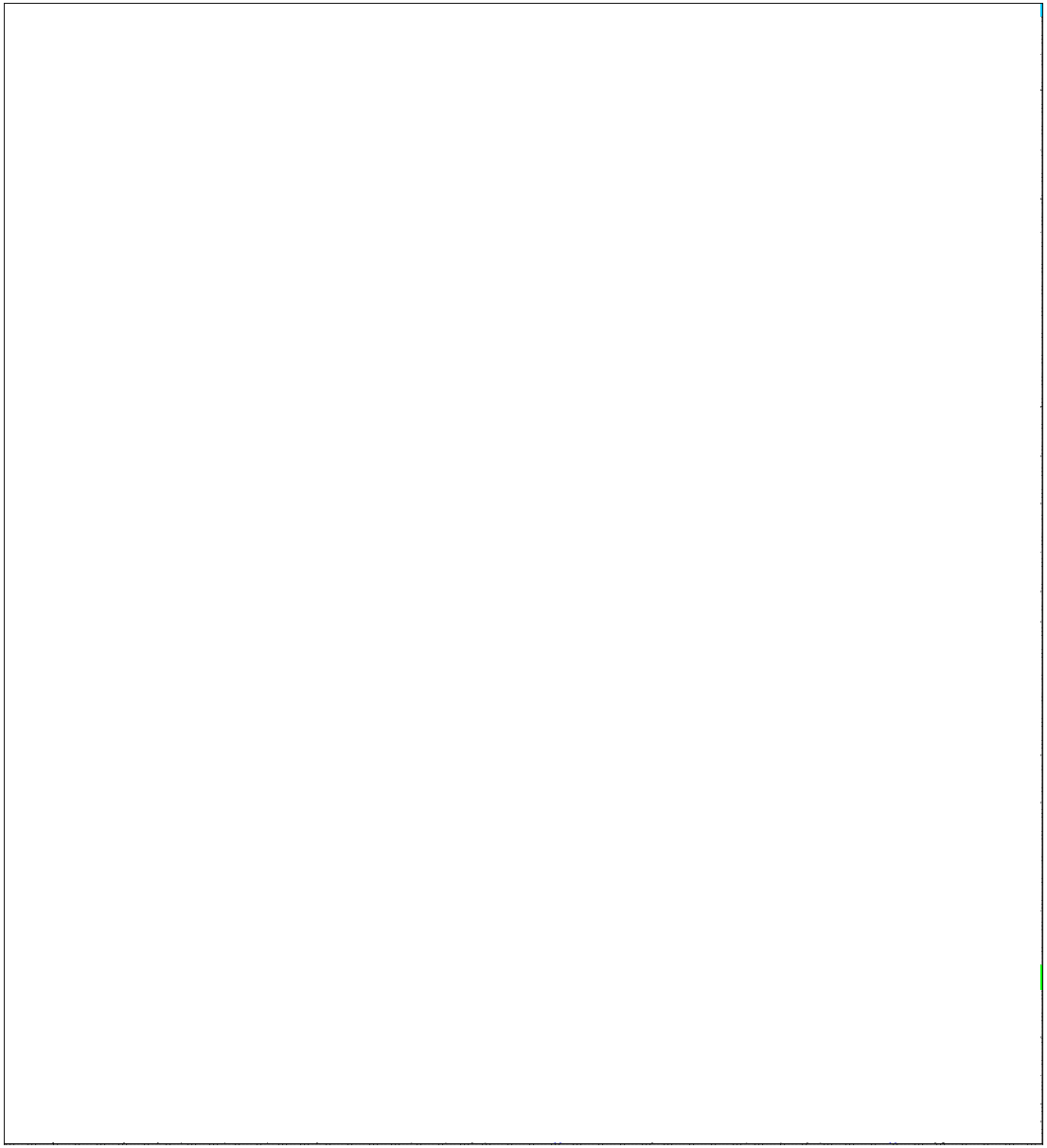
300 amp IR Suncraft Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



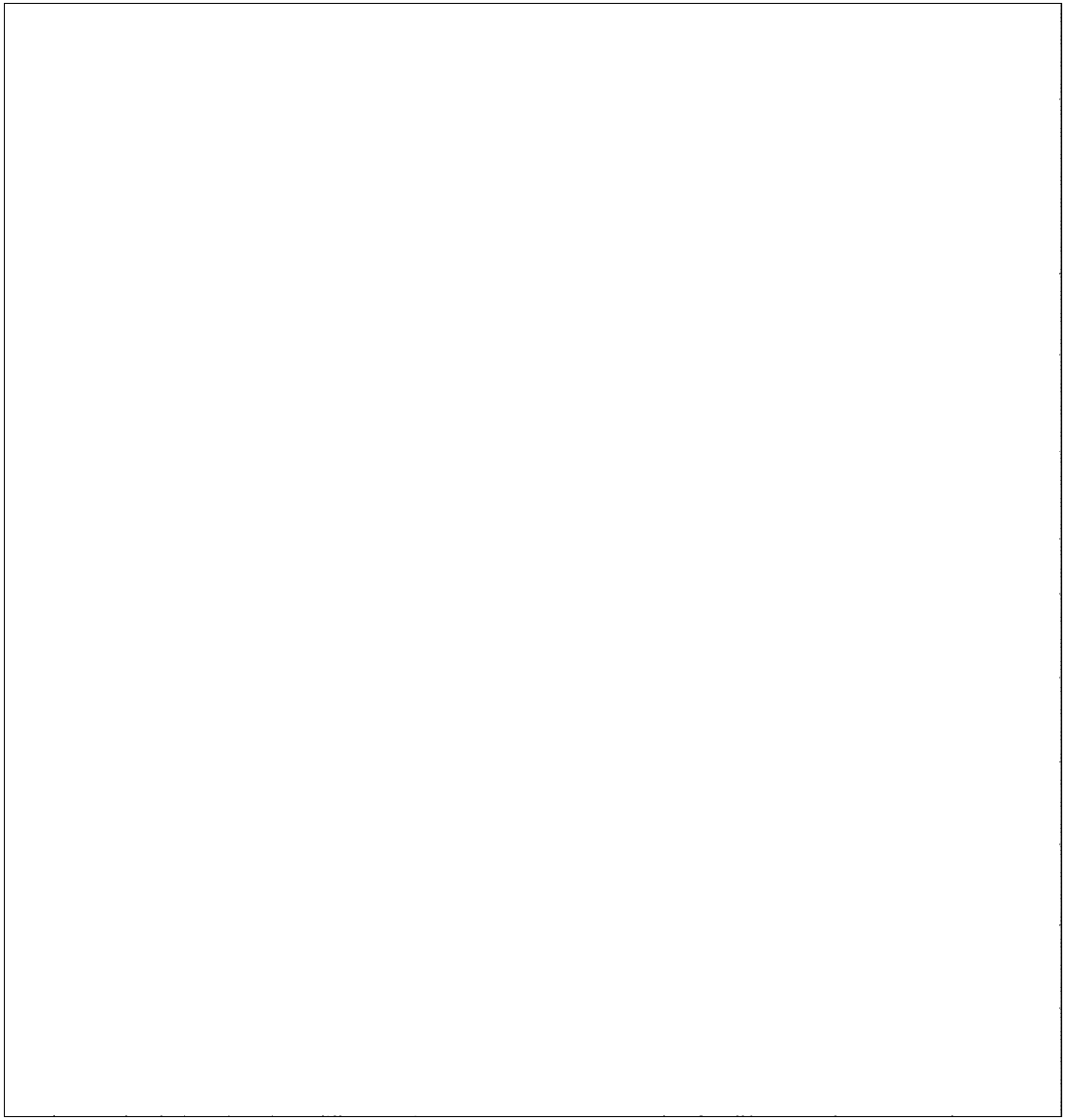
Dynapower Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



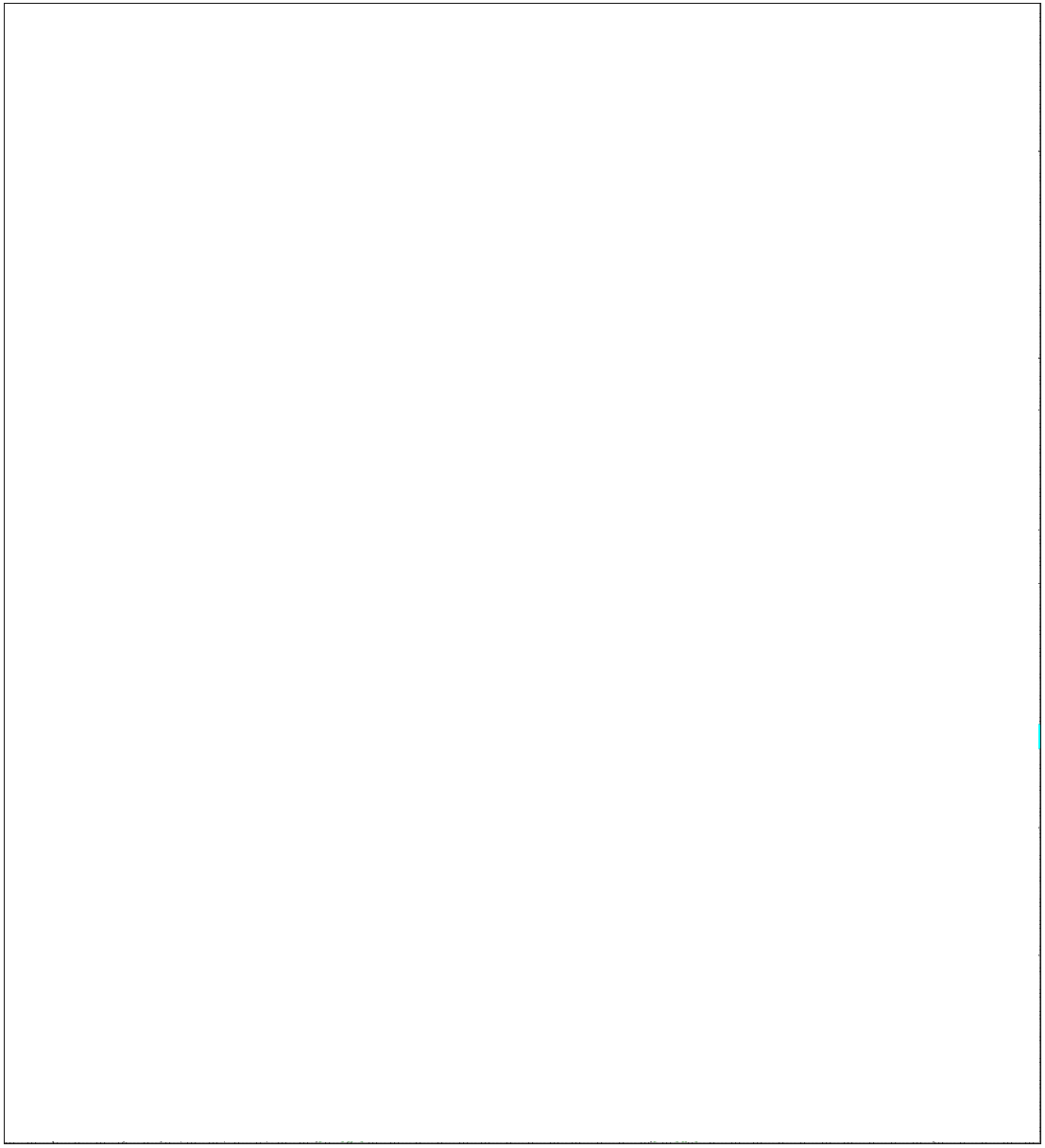
Dynapower Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



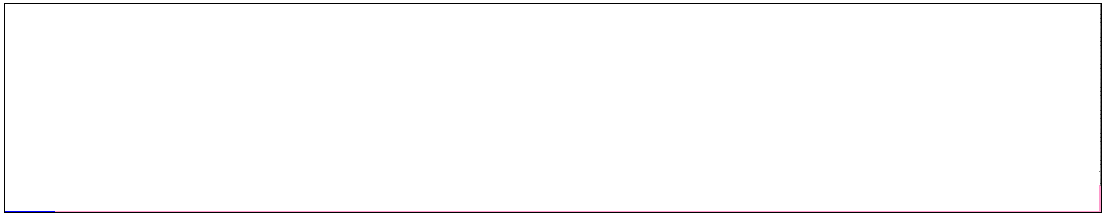
Dynapower Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



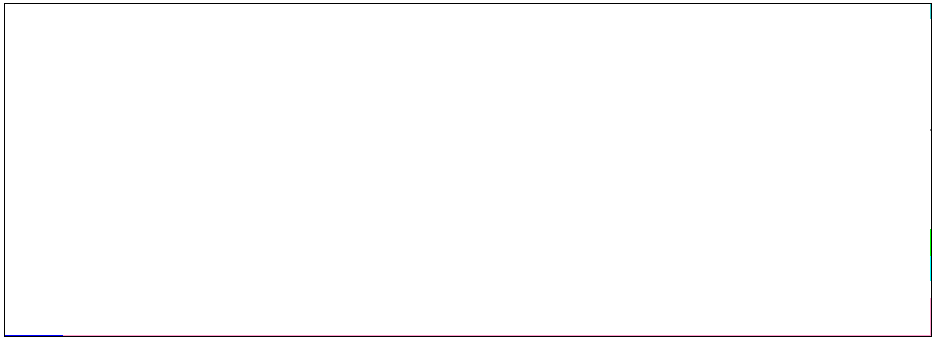
Dynapower Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



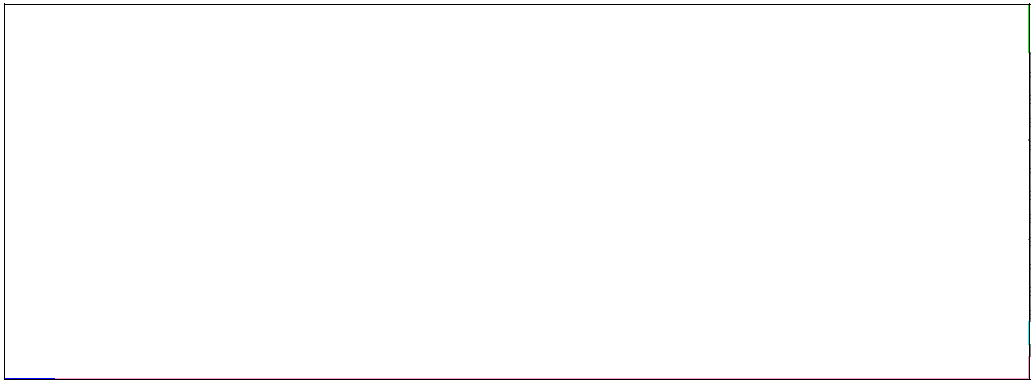
Gamma-T Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



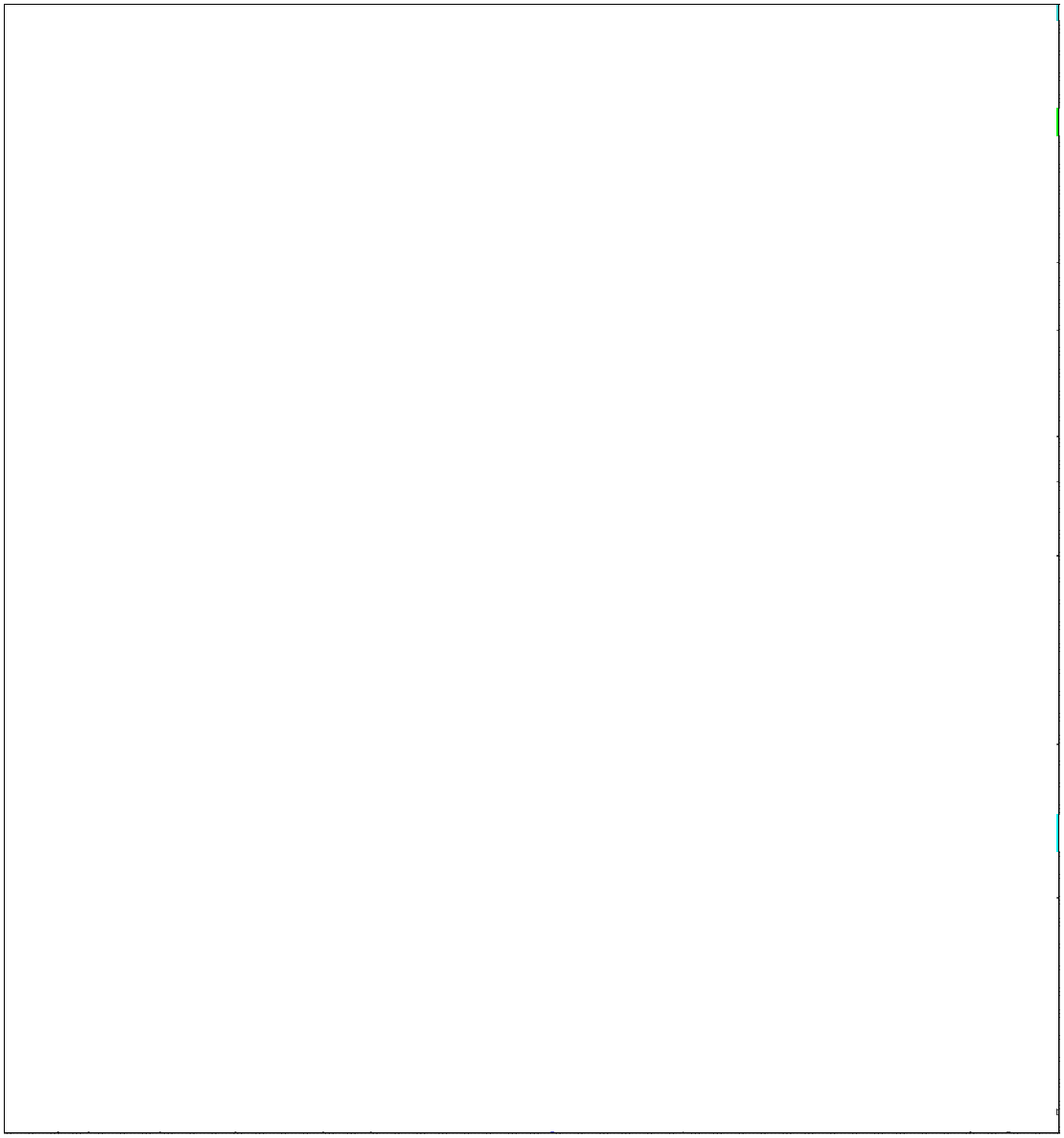
Housekeeping Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



Ice Team / Temperature Sensors Report

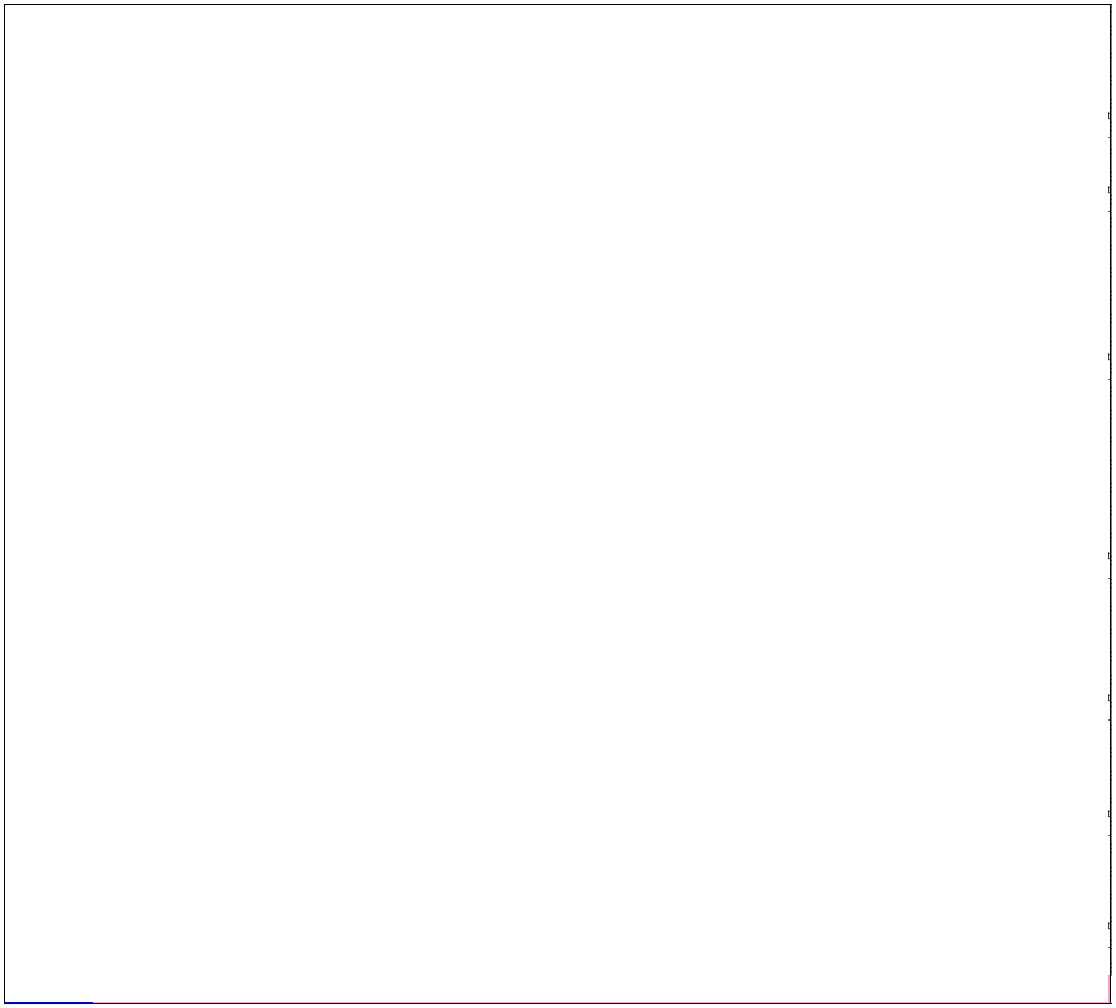
RHIC Physics fy05 (2004-2005)



Data Researched and Compiled by Gregory P. Heppner

Ice Team / Temperature Sensors Report

RHIC Physics fy05 (2004-2005)



Data Researched and Compiled by Gregory P. Heppner

RHIC Superconducting Magnet History Report

RHIC Physics

Main Power Supplies - Building 1004B Report

RHIC Physics fy05 (2004-2005)

Main Power Supplies - Building 1004B Report

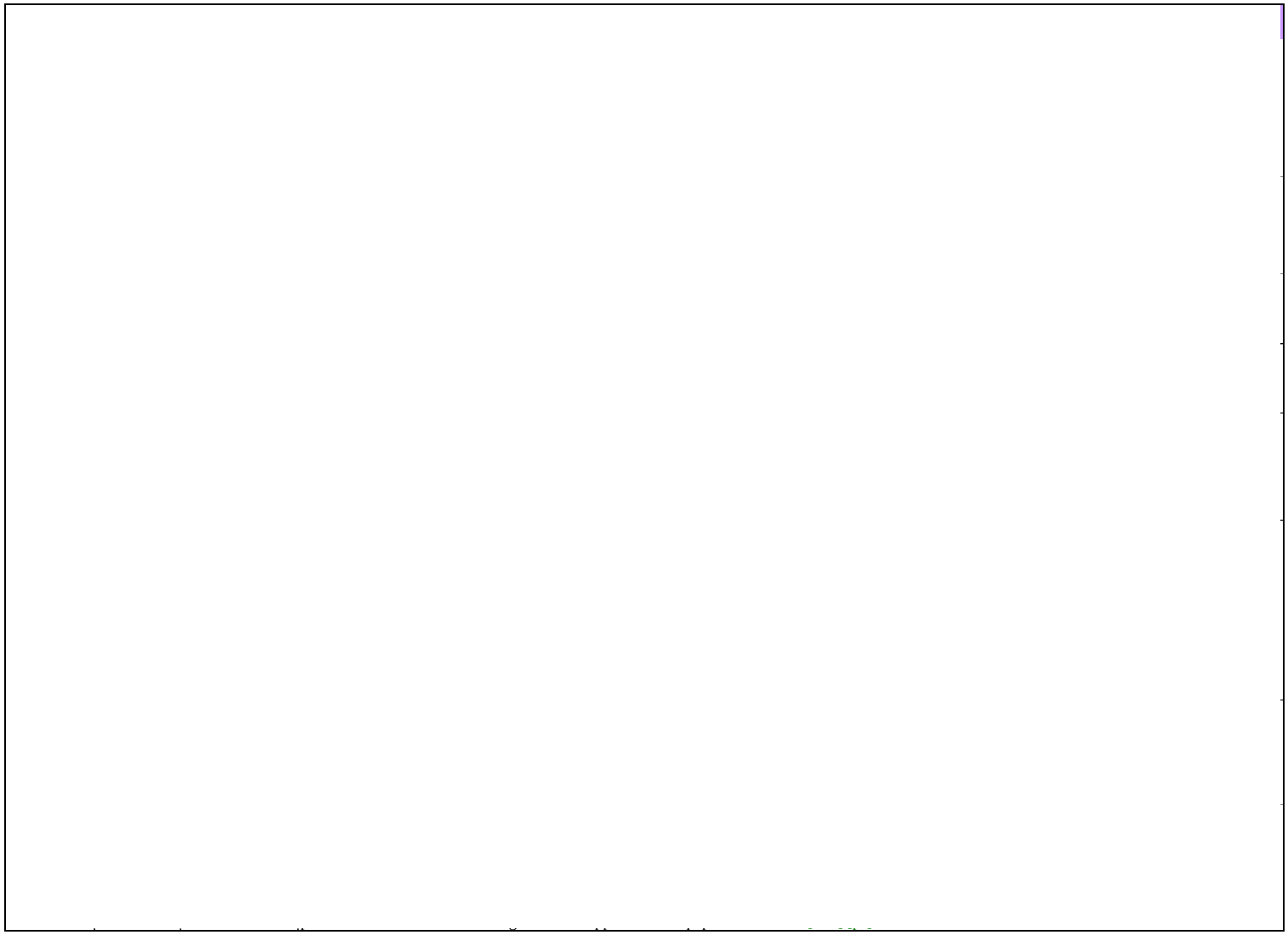
RHIC Physics fy05 (2004-2005)

Main Power Supplies - Building 1004B Report

RHIC Physics fy05 (2004-2005)

Maintenance Reports

RHIC Physics fy05 (2004-2005)

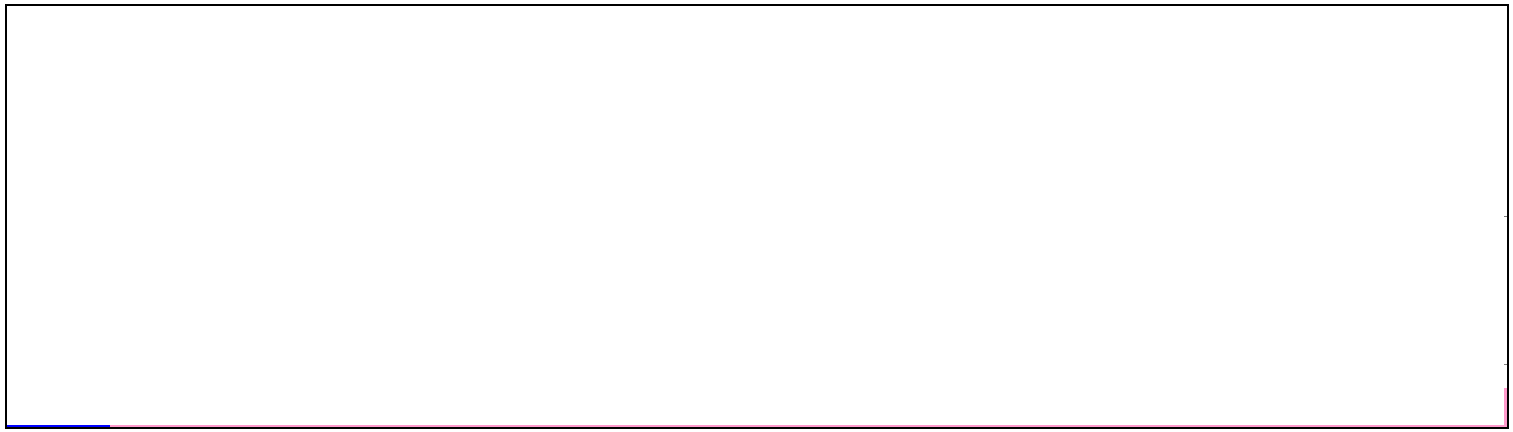


Maintenance Reports

RHIC Physics fy05 (2004-2005)

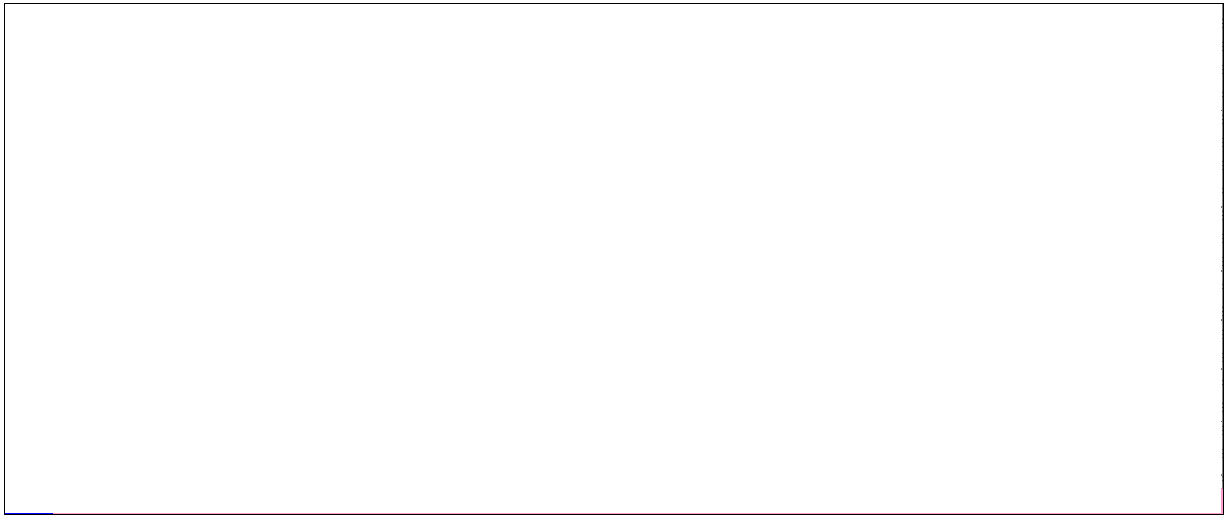
Maintenance Reports

RHIC Physics fy05 (2004-2005)

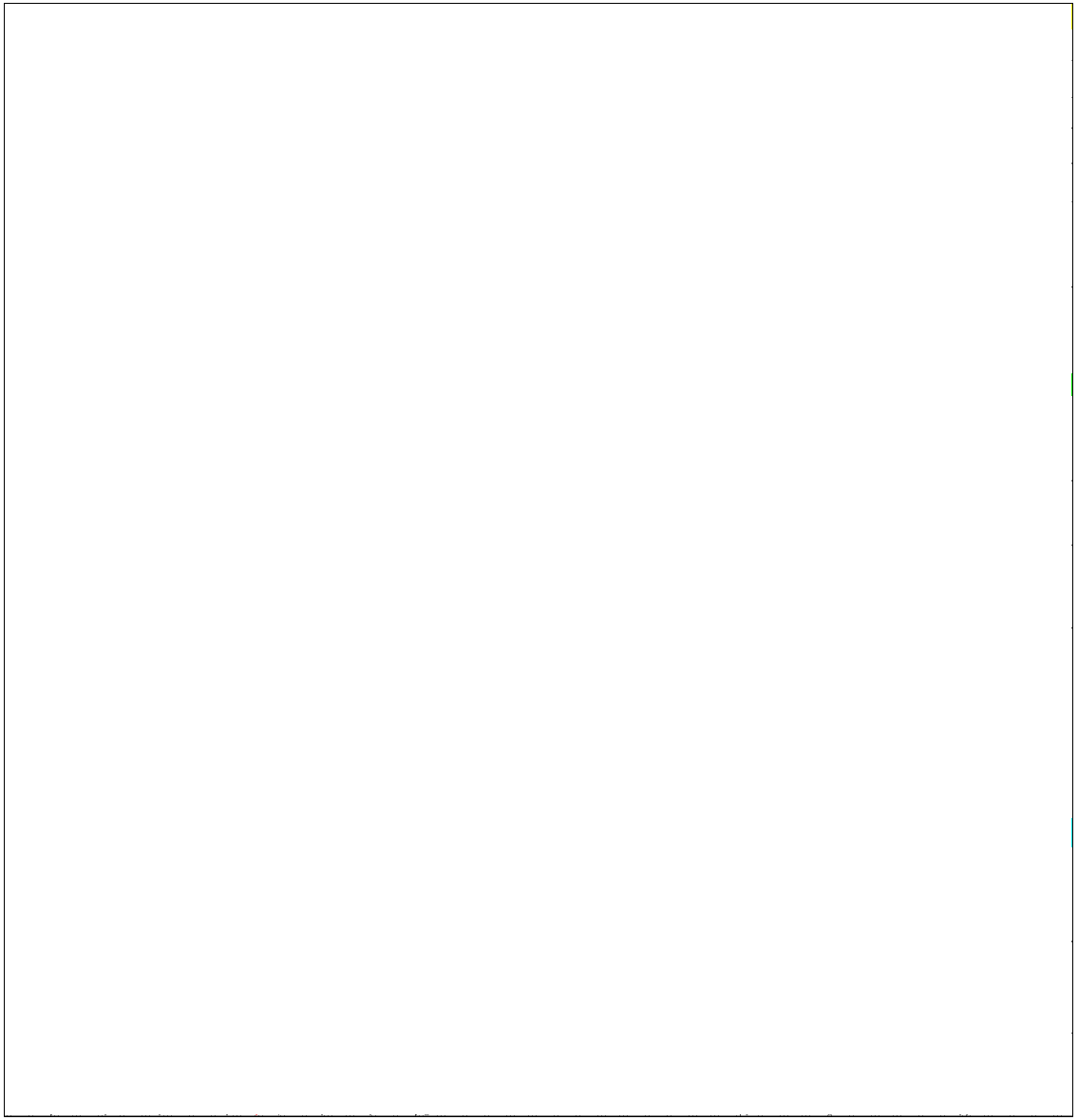


RHIC Physics fy05 (2004-2005)

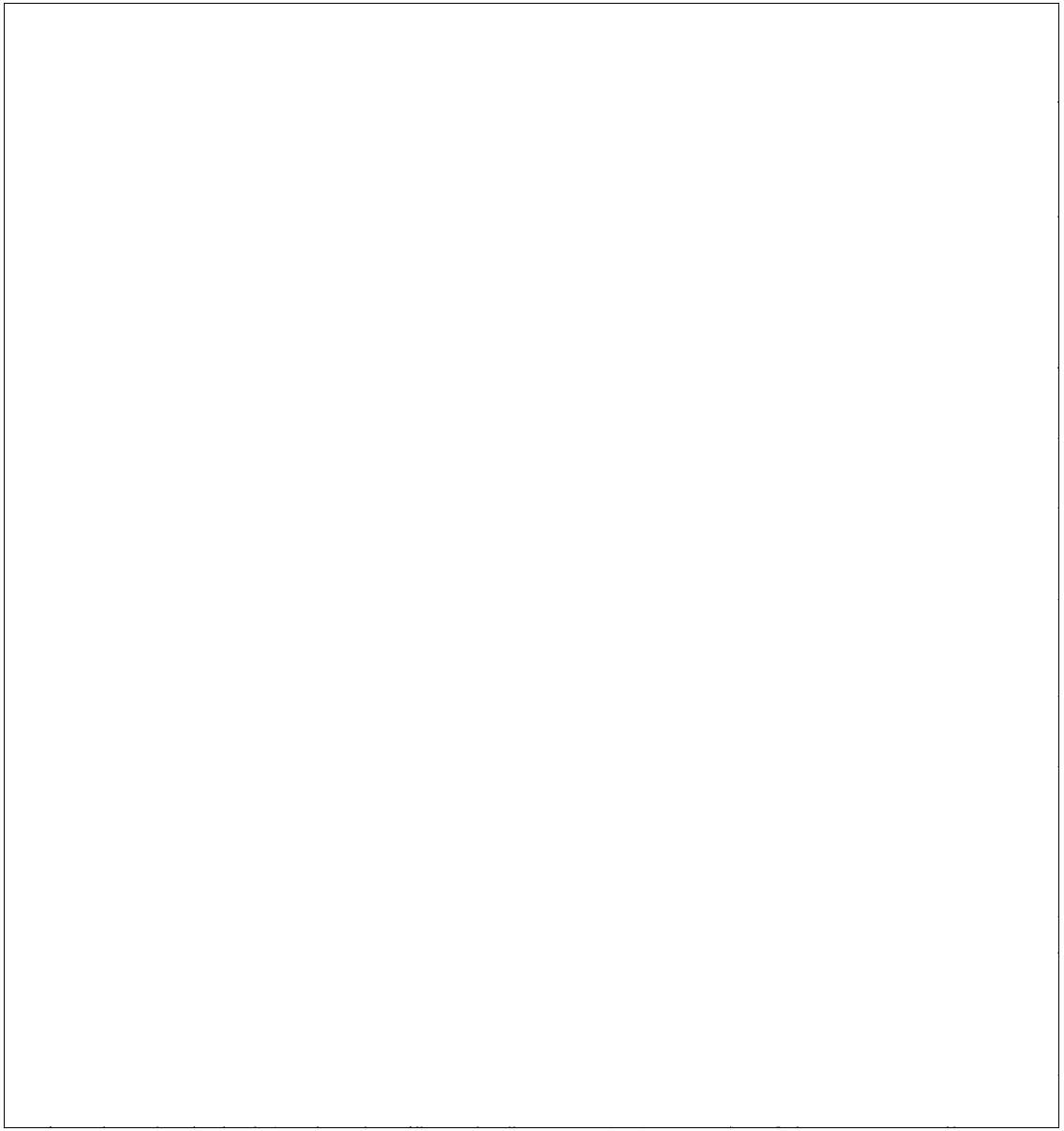
RHIC Physics fy05 (2004-2005)



Quench Detector Faults



Quench Detector Faults

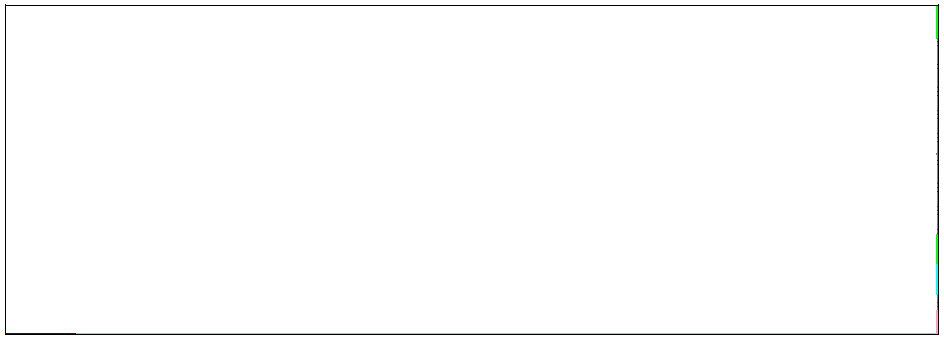


RHIC Physics fy05 (2004-2005)

Quench Detector Faults

6KA Quench Switches, Building 1010A Summary Report

RHIC Physics fy05 (2004-2005)

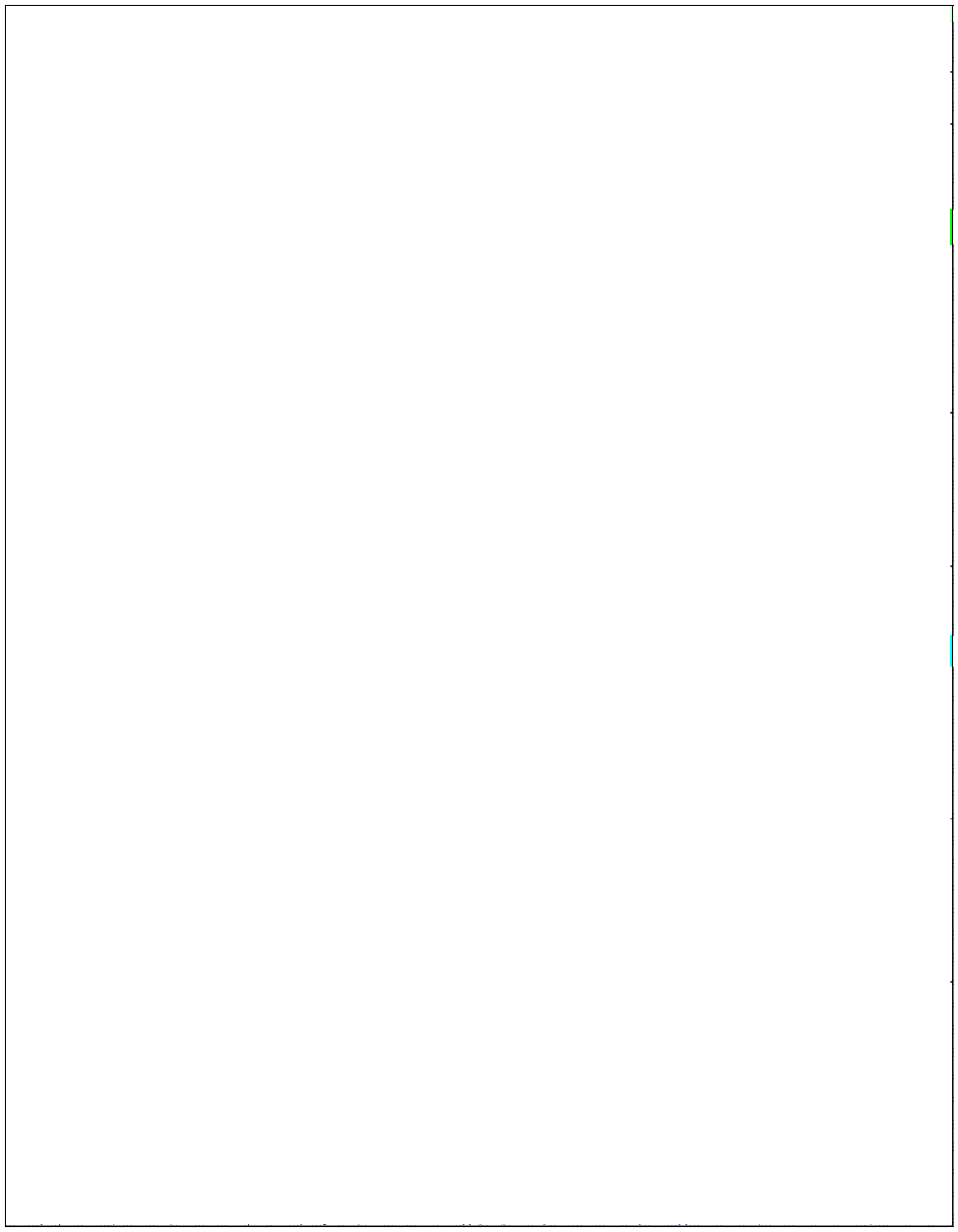


Bruker Sextupole Power Supply Report

RHIC Physics fy05 (2004-2005)

Snake / Spin Rotator Power Supply Summary Report

RHIC Physics fy05 (2004-2005)



Snake / Spin Rotator Power Supply Summary Report

RHIC Physics fy05 (2004-2005)

Timing Resolver Summary Report

RHIC Physics fy05 (2004-2005)

UPS Battery Report

RHIC Physics fy05 (2004-2005)